

## INTERNATIONAL SEARCH REPORT

 International Application No  
 PCT/IB2004/050227

 A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 H03K17/74

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 H03K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	EP 0 508 128 A (TEXAS INSTRUMENTS INC) 14 October 1992 (1992-10-14) page 3, line 11 - page 4, line 35; figure 1	1-5 6-9
X A	----- US 4 883 984 A (KESS HELMUT) 28 November 1989 (1989-11-28) column 1, line 51 - column 4, line 36; figures 4,5	1-5 6-9
X A	----- US 5 815 804 A (VANGALA REDDY RAMACHANDRA ET AL) 29 September 1998 (1998-09-29) column 4, line 65 - column 5, line 18; figure 6	1 2-9
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

30 July 2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 02, 30 January 1998 (1998-01-30) -& JP 09 261111 A (KOKUSAI ELECTRIC CO LTD), 3 October 1997 (1997-10-03) abstract -----	1-9
A	US 4 777 440 A (VAN HEELSBERGEN TEUNIS R) 11 October 1988 (1988-10-11) column 3, line 3 - column 4, line 17; figure 3 -----	1-9
A	JP 2001 326502 A (MITSUBISHI ELECTRIC CORP) 22 November 2001 (2001-11-22) abstract -& PATENT ABSTRACTS OF JAPAN vol. 2002, no. 03, 3 April 2002 (2002-04-03) -& JP 2001 326502 A (MITSUBISHI ELECTRIC CORP), 22 November 2001 (2001-11-22) abstract -----	1-9
A	US 5 303 295 A (WEST LAMAR E ET AL) 12 April 1994 (1994-04-12) column 14, line 31 - column 17, line 28; figure 3 -----	1-9

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Information on patent family members

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